

ABSTRACT OF THE DISCLOSURE

In an embodiment according to the present invention, a coronagraph for detecting reflective bodies external to a light source is provided. A first mirror for directing a beam of light onto an occulting mask is adjusted based on a data from a fiber optic sensor or a second sensor. An occulting mask for separating the beam into a first and second portion directs the first portion onto a fiber optic sensor and the second portion onto a Lyot stop. The occulting mask is adjustable based on data from the second sensor. The Lyot stop separates the second portion of the beam into a third and fourth portion. The Lyot stop also directs the third portion of the beam onto the second sensor and the fourth portion of the beam onto a camera for detecting one or more reflective bodies external to a light source.